



08-06-01

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PATENTS, TRADEMARKS, COPYRIGHTS

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**BOX PATENT APPLICATION**

Commissioner for Patents  
Washington, D.C. 20231

**UTILITY PATENT APPLICATION TRANSMITTAL  
FILED UNDER 37 C.F.R. §1.53(b)**

JC973 U.S. PTO  
09/922366  
08/03/01

Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): **Chris HEEGARD and Matthew B. SHOEMAKE**

Title: **JOINT EQUALIZATION AND DECODING USING A SEARCH-BASED DECODING ALGORITHM**

**APPLICATION ELEMENTS:**

(1)  Patent Application Specification, including Abstract and claims - 27 pages  
(2)  Seven (7) sheets of formal drawings, together with transmittal letter  
(3)  A check in the amount of \$830 to cover the [ X ] filing fee (\$790.00) and/or  
[ X ] Assignment Recordal Fee (\$40) is enclosed.

[ ] Before calculating the fee, cancel claim(s)  
[ ] Before calculating the fee, see copy of Preliminary Amendment filed in parent application \_\_\_\_\_ (attached hereto.)

Basic Fee							\$ 710.00
Multiple Dependent Claims (\$260.)							
Foreign Language Surcharge (\$130.)							
	For	No. Filed	-	No. Extra		Rate	
EXTRA	Total Claims	12	20	0	x	\$18.	= \$ 0.00
CLAIMS	Independent Claims	4	3	1	x	\$80.	= \$ 80.00
<b>TOTAL FILING FEE</b>							= \$ 790.00

The Commissioner is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 50-0625.

(4)  Declaration and Power of Attorney form -- 2 pages

- a.  Newly executed
- b.  Copy from a prior application
- c.  Deletion of inventor(s) – signed statement attached deleting inventor(s) named in the prior application.

(5)  Small Entity Status

**ACCOMPANYING APPLICATION PARTS:**

(6)  Assignment document

- a.  Newly executed (with \$40.00 recordal fee) and separate transmittal Form PTO-1595
- b.  Copy from a prior application
- c.  Please include assignee information when this application is published  
Assignee: **TEXAS INSTRUMENTS INCORPORATED**  
**7839 Churchill Way**  
**Dallas, TX 75251**

(7)  Preliminary Amendment

(8)  Certified Copy of Priority Document, together with separate transmittal letter

(9)  Information Disclosure Statement, together with PTO Form 1449 and copies of cited references

(10)  Return receipt postage prepaid postcard

(11)  Express Mail Certificate (Mailing Label No. EL 827616645 US)

(12)  Patent Application Data Entry Form

(13)  Other:

- a.

Box Patent Application  
Commissioner for Patents  
Page 3 of 3

(14) [ ] If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below:

Continuation     Divisional     Continuation-in-part (CIP)

of prior application no.:

Prior application information:

Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

Status: \_\_\_\_\_

FOR CONTINUATION or DIVISIONAL APPLICATIONS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under paragraph 4(b) above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

(15) [ ] Please amend the specification by inserting before the first line the sentence:

(16) [X] **This application claims the benefit of U.S. Provisional Patent Application No. 60/226,161 filed on August 18, 2000.**

(17) [ X ] Correspondence address:

**J. Dennis Moore  
Texas Instruments  
Mail Station 3999  
P.O. Box 655474  
Dallas, TX 75265  
Telephone: (972) 917-5646**

Respectfully submitted,



\_\_\_\_\_  
Barry R. Lipsitz  
Attorney for Applicant(s)  
Registration No. 28,637  
755 Main Street  
Monroe, CT 06468  
(203) 459-0200

**ATTORNEY DOCKET NO.: ALA-110  
Date: August 3, 2001**

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )

Heegard et al. )

Application No.: )

Filed: Herewith )

For: **JOINT EQUALIZATION AND DECODING USING A SEARCH-BASED DECODING ALGORITHM**

**BOX PATENT APPLICATION**

Commissioner for Patents

Washington, D.C. 20231

**EXPRESS MAIL CERTIFICATE**

"Express Mail" mailing label number: EL 827616645 US

Date of Deposit: August 3, 2001

I hereby certify that the attached:

- Check in the amount of \$830 (Filing fee (\$790) and recordal fee (\$40));
- Return receipt postage prepaid postcard;
- Transmittal letter for new patent application;
- Patent Application Specification, including Abstract and Claims (27 pages);
- Seven (7) sheets of formal drawings, together with transmittal letter;
- Declaration and Power of Attorney form;
- Assignment, together with Form PTO-1595;
- Patent Application Data Entry Form.

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: **BOX PATENT APPLICATION, Commissioner for Patents, Washington, D.C. 20231**

Michele Hollis

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

Respectfully submitted,



Barry R. Lipsitz  
Attorney for Applicant(s)  
Registration No. 28,637  
755 Main Street  
Monroe, CT 06468  
(203) 459-0200

Date: **August 3, 2001**

ATTORNEY DOCKET NO.: **ALA-110**

P A T E N T

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )

Heegard et al. )

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For: **JOINT EQUALIZATION AND DECODING USING A SEARCH-BASED DECODING ALGORITHM**

**DRAWING REVIEW BRANCH**

Commissioner for Patents  
Washington, D.C. 20231

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (No. EL 827616645 US) addressed to BOX PATENT APPLICATION, Commissioner for Patents, Washington, D.C. 20231 on August 3, 2001.

By: Michele Hollis  
Michele Hollis

**TRANSMITTAL OF FORMAL DRAWINGS**

Dear Sir:

Enclosed are seven (7) sheets of formal drawings for filing in the above-referenced patent application.

Please advise the undersigned attorney if correction is necessary.

Respectfully submitted,



Barry R. Lipsitz  
Attorney for Applicant(s)  
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755 Main Street, Building 8  
Monroe, CT 06468  
(203) 459-0200

Date: August 3, 2001  
**ATTORNEY DOCKET NO.: ALA-110**